

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1 – 22 (Canceled).

23 (Currently Amended): A method of data communication comprising:
allocating a first time slot for a first data stream, wherein the first time slot is allocated by a first network manager function in a first network;
allocating a second time slot for a second data stream, wherein the second time slot is allocated by a second network manager function in a second network, wherein the first data stream has a higher quality of service assigned than the second data stream.; and
transmitting data streams between the first and second networks using corresponding time slots.

24 (Currently Amended): A method according to claim 23, wherein
~~the data communication is over a cable network;~~
the first network is a cable network, and
the first time slot is allocated by a Data Over Cable Service Interface Specification (DOCSIS) manager; ~~and~~
~~the second time slot is allocated by a home network manager.~~

25 (Previously Presented): A method according to claim 24, wherein the second time slot immediately precedes the first time slot.

26 (Previously Presented): A method according to claim 24, wherein the first time slot immediately precedes the second time slot.

27 (Currently Amended): A method according to claim 24, wherein the second network is a home network, the home network is one or more of a Bluetooth network and an IEEE802.11 network, and the second time slot is allocated by a home network manager function.

28 (Currently Amended): A method according to claim ~~24~~ 27, wherein the home network manager is configured to determine timing of the first data stream by exchanging messages with a cable modem termination system in the cable network.

29 (Currently Amended): A method according to claim ~~24~~ 27, wherein the home network is configured to determine timing of the first data stream using time-sync mechanism of DOCSIS.

30 (Currently Amended): A method according to claim 23, wherein first and second time slots do ~~not~~ not overlap.

31 (Currently Amended): A method according to claim ~~24~~ 27, further comprising:
allocating a third time slot for a third data stream, wherein
the third time slot is used by one or more devices associated with the home network to communicate with one or more of the home network, DOCSIS network, and other devices associated with the home network; and
the third time slot immediately precedes one of the first and second time slots.